PATENT ATTORNEY DOCKET NO. 0099/013001

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Satoru KOBAYASHI et al. Art Unit: Application No.: filed concurrently Examiner:

Title: A LEAD-FREE SOLDER, AND A LEAD-FREE JOINT International Application No.: PCT/JP2003/013511 International Filing Date : October 23, 2003 Priority Date : October 24, 2002 U.S. Filing Date : April 19, 2005

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to their duty of good faith and candor as set forth in 37 CFR 1.56(a), applicants request that the enclosed references cited on attached form PTO-1449 be considered by the Examiner in connection with the search of the prior art required by 37 CFR 1.104.

Please note that four (4) of the enclosed Japanese Patent Publications are discussed on pages 2-3 of the specification.

Enclosed also please find a copy of the International Search Report citing other references. The relevance of these other references can also be seen from the International Search Report. English abstracts for the Japanese reference are also enclosed.

Please note that the English language translations of the Japanese references are also enclosed. Please also note that these English translations are machine translations provided by the Japan Patent Office and the Japan Patent Office states that the translations may not precisely reflect the original Japanese text.

Please also note that a copy of U.S. Patent Application Publication No. 2004/0091385 is also enclosed, which is an English language counterpart for German Patent Publication No. 100 45 991.

This Statement is being filed under 37 CFR 1.97(b) prior to the mailing date of a first Office Action on the merits.

10/532004

Information Disclosure Statement

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Applicants: Satoru KOBAYASHI et al.
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Filing Date: April 19, 2005

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It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached at the telephone number listed below.

Respectfully submitted,

Date: April 19, 2005

Randolph A. Smith Reg. No. 32,548

### SMITH PATENT OFFICE

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Telephone: 202/530-5900 Facsimile: 202/530-5902

Kobayashi041905



Substitute for form 1449A/PTO

# INFORMÁTION DISCLOSURE STATEMENT BY APPLICANT

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No.

**EXAMINER** 

INITIAL\*

Sheet 1 of 3

DOCUMENT

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Kind Code<sup>2</sup>

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# Application Number Filing Date April 19, 2005 Applicants Group Art Unit Examiner Name Attorney Docket Number Complete if Known April 19, 2005 Satoru KOBAYASHI et al. 0099/013001

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U.S. PATENT DOCUMENTS

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<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known Substitute for form 1449A/PTO Application Number INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date April 19, 2005 Satoru KOBAYASHI et al. **Applicants Group Art Unit** (use as many sheets as necessary) **Examiner Name** Attorney Docket Number | 0099/013001 3

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the **EXAMINER** Cite item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), No. 1 INITIAL\* publisher, city and/or country where published "Binary Alloy Phase Diagrams", Second Edition, p. 3417, Vol. 3, ASM International, The Materials Information Society, USA. BRORSON et al., "Overview of Solders and Brazes with Reduced Environmental Loading", 1996, p. 37, AFR Report, Swedish Environmental Protection Agency, Stockholm, Sweden.

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